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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/800,743	03/16/2004	Masayuki Takamura	VX042601	1177

21369 7590 09/09/2005

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12040 SOUTH LAKES DR.
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RESTON, VA 20191

EXAMINER

LE, DAVID D

ART UNIT	PAPER NUMBER
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3681

DATE MAILED: 09/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/800,743

Applicant(s)

TAKAMURA ET AL.

Examiner

David D. Le

Art Unit

3681

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 March 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☒ Claim(s) 3-6 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This is the first Office action on the merits of Application No. 10/800,743, filed on 16 March 2004. Claims 1-6 are pending.

Documents

The following documents have been received and filed as part of the patent application:

- Foreign Priority Document, received on 03/16/04

Specification

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

3. The abstract of the disclosure is objected to because it exceeds 150 words. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. **Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by U. S. Patent No. 6,162,146 to Hoefling.**

Claims 1-2:

Hoefling (Figs. 1-3; column 1, line 66 – column 4, line 36) discloses an electrohydraulic control device for a drive train of a machine comprising:

- An engine (i.e., Fig. 1, element 104);
- An operation amount detection sensor (i.e., column 3, lines 2-5), which detects an operation amount of accelerator means (i.e., Fig. 1, element 142) for controlling engine revolutions;
- A transmission (i.e., Fig. 1, element 108) which has a forward clutch (i.e., Fig. 1, element 112F) and reverse clutch (i.e., Fig. 1, element 112R) that respectively switch a direction of travel of the vehicle to a forward direction and reverse direction, and which transmits a driving torque of the engine to driving wheels via the forward clutch or reverse clutch;
- A brake (i.e., Fig. 1, element 122) which applies braking to the vehicle;

- A controller (i.e., Fig. 1, element 130) which controls an engaging force of the forward clutch and reverse clutch and a braking force of the brake during the running of the vehicle, and which controls the engine revolutions on the basis of the operation amount detected by the operation amount detection sensor (i.e., column 3, lines 5-36);
- Wherein the controller simultaneously controls the engine revolutions, the engaging force of the forward clutch and reverse clutch and the braking force of the brake, on the basis of the operation amount detected by the operation amount detection sensor (i.e., column 2, line 30 – column 4, line 19); and
- Wherein a vehicle speed sensor that detects a vehicle speed is inherently provided, and the controller further stops, on the basis of the operation amount, the simultaneous control of the engine revolutions, the engaging force of the forward clutch and reverse clutch and the braking force of the brake when the vehicle speed detected by the vehicle speed sensor exceeds a specified first reference speed (i.e., column 3, line 38 – column 4, line 19).

Allowable Subject Matter

6. Claims 3-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Skinner et al. (U. S. Patent No. 6,551,212) teaches a decelerator system for a work machine, as shown in Figs. 1-3.
- Brandt et al. (U. S. Patent No. 5,456,333) teaches an electrohydraulic control device for a drive train of a vehicle, as shown in Figs. 1-3.
- Tsukamoto et al. (U. S. Patent No. 5,692,990) teaches an automatic transmission control apparatus as shown in Figs. 1-4.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David D. Le whose telephone number is 571-272-7092. The examiner can normally be reached on Mon-Fri (0700-1530).


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles A. Marmor can be reached on 571-272-7095. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3681

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



ddl


CHARLES A. MARMOH
SUPERVISORY PATENT EXAMINER
ART UNIT 3681